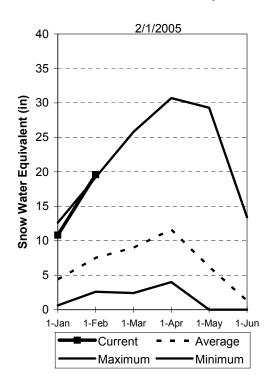
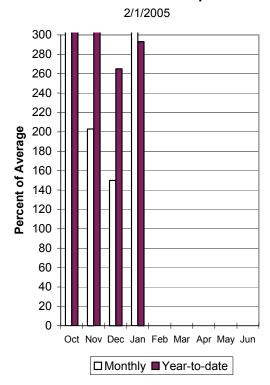
E. Garfield, Kane, Washington, & Iron co. Feb 1, 2005

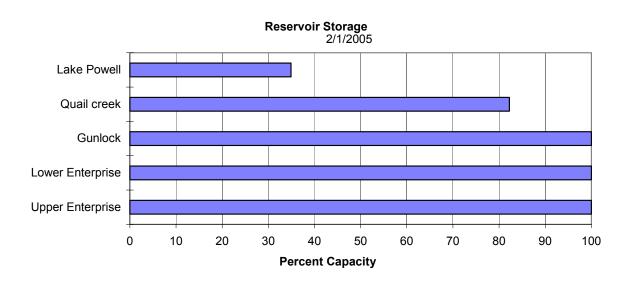
Snowpacks in this region are much above normal at 247% of average, about 316% of last year and up 1% from last month. Individual sites range from 35% to 377% of average. Precipitation was much above normal during January at 361% of average, bringing the seasonal accumulation (Oct-Jan) to 293% of normal. Soil moisture estimates in runoff producing areas are at 76% of saturation in the upper 2 feet of soil compared to 30% last year and up 6% from last month. Forecast streamflows range from 255% to 290% of average. Reservoir storage is at 89% of capacity, 47% more than last year. The Surface Water Supply Index is at 95%, indicating much above normal water availability. January has heightened concerns over the potential for high flows this spring, some of which have already occurred. This area has a 99.9% probability of at least average snowpacks on April 1 (especially since they are well above average April 1 values already) and significant potential of snowpacks of 150% or greater.

Southwest Utah Snowpack



Southwest Utah Precipitation





E GARFIELD KANE WASHINGTON & IRON CO

E. GARFIELD, KANE, WASHINGTON, & IRON Co. Streamflow Forecasts - February 1, 2005

| | | <<===== Drier ===== Future Conditions ====== Wetter ====>> | | | | | i | |
|----------------------------------|--------------------|--|-----------------|--------------|-----|-------------------|-------------------|------------------------|
| Forecast Point | Forecast Period | ======= 90% (1000AF) | 70% (1000AF) | 1 50 | - | 30% (1000AF) | 10% (1000AF) | 30-Yr Avg. (1000AF) |
| Lake Powell inflow | APR-JUL | 5920 | 7760 | 9000 | 114 | 10240 | 12080 | 7930 |
| Virgin River nr Virgin | APR-JUL | 111 | 135 | 1 152 | 238 | 171 | 200 | 64 |
| Virgin River nr Hurricane | APR-JUL | 170 | 184 | 193 | 280 | 200 | 215 | 69 |
| Santa Clara River nr Pine Valley | APR-JUL | 7.91 | 11.33 | 1 14.00 | 255 | 16.96 | 21.82 | 5.50 |
| Coal Creek nr Cedar City | APR-JUL | 41 | 50 | 56 | 290 | 63 | 73 | 19.3 |

| E. GARFIELD, KANI Reservoir Storage (| | E. GARFIELD, KANE, WASHINGTON, & IRON Co. Watershed Snowpack Analysis - February 1, 2005 | | | | | | |
|--|---------------------------|---|----------------------------|------------------------|--------------------------|---------------------------|----------|--------------------------|
| Reservoir | Usable Capacity | | able Stora Last Year | ge *** Avg | Watershed D | Number of ata Sites | This Yea | r as % of Average |
| GUNLOCK | 10.4 | 10.4 | 4.1 | 5.7 j | VIRGIN RIVER | 5 | 322 | 288 |
| LAKE POWELL | 24322.0 | 8492.0 | 11010.0 | ! | PAROWAN | 2 | 330 | 325 |
| QUAIL CREEK | 40.0 | 32.9 | 21.4 | 26.5 I | ENTERPRISE TO NEW HARMON | У 2 | 229 | 105 |
| UPPER ENTERPRISE | 10.0 | 10.0 | 0.0 | ! | COAL CREEK | 2 | 341 | 297 |
| LOWER ENTERPRISE | 2.6 | 2.6 | 0.4 | 38.0 | ESCALANTE RIVER | 2 | 384 | 297 |
| | | | | | E. GARFIELD, KANE, WASHI | n 9 | 329 | 261 |

^{* 90%, 70%, 50%, 30%,} and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

^{(1) -} The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.

^{(2) -} The value is natural volume - actual volume may be affected by upstream water management.